

Remarks

At the request of the Examiner, Applicant submits replacement Page 51 due to illegibility of bottom portion of Table 11, Page 51, of the original specification. The Replacement Page 51 makes no changes to the originally filed specification, but is submitted purely due to illegibility of the original page.

Respectfully submitted,

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By: 

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TABLE 11. C ₃ Cl ₂ F ₆ to CFC-217ba with Different Catalyst Systems										
Catalyst	RUN CONDITIONS				RESULTS					
	Contact Temp.(C)	Time (sec)	Mole Ratio C ₃ Cl ₂ F ₆	Conversion CFC-217ba	Selectivity to CFC-217ba	% GC Area				
						CFC-13	CF-218	CFC-115	CFC-217ba	CFC-114 CFC-216na CFC-216ba HCF-226da
NiCl ₂ /ZnCl ₂ /AC*	300	27.7	3.2	20.1	1.7	0.08	0.01	0.04	0.34	71.89 7.97 16.34
	400	29.6	3	46.5	8.6	18.25	3.81	0.16	3.97	45.21 8.32 5.81
	450	18.9	5.3	43.9	85	0.64	0.01	0.07	8.72	78.92 9.60 0.00
Activated Carbon	400	19.7	5.7	42.4	64.5	0.34	0.03	0.22	33.23	0.61 52.35 n/d 12.60
	450	18.4	5.3	28.7	77.1	0.60	0.03	0.05	17.02	0.50 78.86 n/d 1.44
	480	10.1	5	56.6	90.7	0.81	0.38	0.36	51.23	0.89 43.26 n/d 2.80
ZnCl ₂ /AC	300	10.4	6.5	21.0	3.3	0.01	0.00	0.01	0.69	0.64 71.20 7.80 18.89
	400	19.1	4.2	21.8	51.6	0.13	0.01	0.13	11.22	0.67 72.40 5.85 9.14
	450	9.2	5.2	14.6	55.7	0.81	0.00	0.09	6.67	0.61 79.36 8.74 2.58
2% FeCl ₃ /AC	480	19.6	5	73.3	91.6	1.24	0.39	0.69	59.86	0.68 30.25 2.81 3.08
	400	11.2	6.2	87.6	86.7	0.79	3.74	0.17	70.89	0.35 14.54 1.47 6.96
	450	10.3	6.2	99.9	35.5	6.88	6.69	1.92	64.62	6.88 0.22 0.91 3.07
6% FeCl ₃ /AC	300	10.6	6.5	15.3	5.7	0.02	0.00	0.00	0.90	0.49 76.31 8.38 13.34
	400	19.5	4.2	38.9	74.3	0.16	0.02	0.10	16.08	0.52 72.96 n/d 9.64
	450	19.5	4	48.4	86.2	0.61	0.16	0.29	35.58	0.60 57.24 n/d 4.90
CrCl ₃ /AC	480	19.7	5	89.5	88.4	1.46	0.97	0.76	71.05	0.88 18.69 0.84 5.02
	300	10.5	6.5	52.1	5	0.05	0.00	0.04	2.05	1.63 61.92 7.15 26.42
	400	20.0	5.7	34.5	71.2	0.44	0.04	0.42	29.85	3.27 59.86 n/d 5.31
KF / AC	450	18.9	4	66.4	84.6	0.60	0.13	0.34	39.81	1.53 45.75 2.49 7.50
	480	18.8	3.8	74.2	84.4	1.81	0.47	0.77	58.97	1.27 26.32 2.32 6.58
	400	19.6	4.2	19.6	34.6	0.23	0.01	0.09	15.10	0.21 63.71 3.11 15.33
Chrome Gel @**	450	19.6	4	84.3	63.7	1.46	0.40	0.46	77.18	0.55 15.92 0.72 1.47
	480	19.4	5	79.2	68.4	1.94	1.56	0.66	75.04	0.87 12.23 1.72 3.96
	400	16.1	2.5	35.2	36.75	3.46	0.07	2.39	12.93	n/d 64.82 n/d n/d
	480	18.98	9.5	85.94	84.2	n/d	4.07	0.20	72.36	n/d 14.05 0.84 5.24
n/d = not detected										
* AC = Activated Carbon										
** Run in 0.5 in O.D., 41 cc alloy-600 tube. All other catalyst preparations run in 0.5 in O.D., 34 cc alloy-400 tube.										